CSU5801
3 CCD DSP Color Video Camera

↑CSU5801

←3CCD Camerahead CSH5801

The 3-CCD-videocamera for OEM applications has been developed for easy integration into custom systems. The CSU5801 can be used in a wide range of different applications, especially in the medical field. The CSU5801 is based on a strictly digital RGB processing by DSP before encoding to CVBS or Y/C

3 CCD camera head with high resolution, utilizing pixel shifting technology

Features

- Resolution > 750 TV lines
- 3x1/3" CCD
- Video CVBS and Y/C and RGB
- Shutter speed up to 1/100,000sec
- Auto color shading
- White Balance AUTO/SET up to 6,000K
- Cable length up to 10m
- Color bar generator onboard
- All camera parameters adjustable via PC Software
- Adjustable contrast enhancement
- ALC / AGC / ELC
- Color settings masking
- Easy camera set up with digital record
- Pixel defect (White spots) compensation
- OSD menu

Applications

- Endoscopy, Microscopy, Dental
- Dermatology, Ophthalmology
- Image processing, Visualisation

Delivery Includes
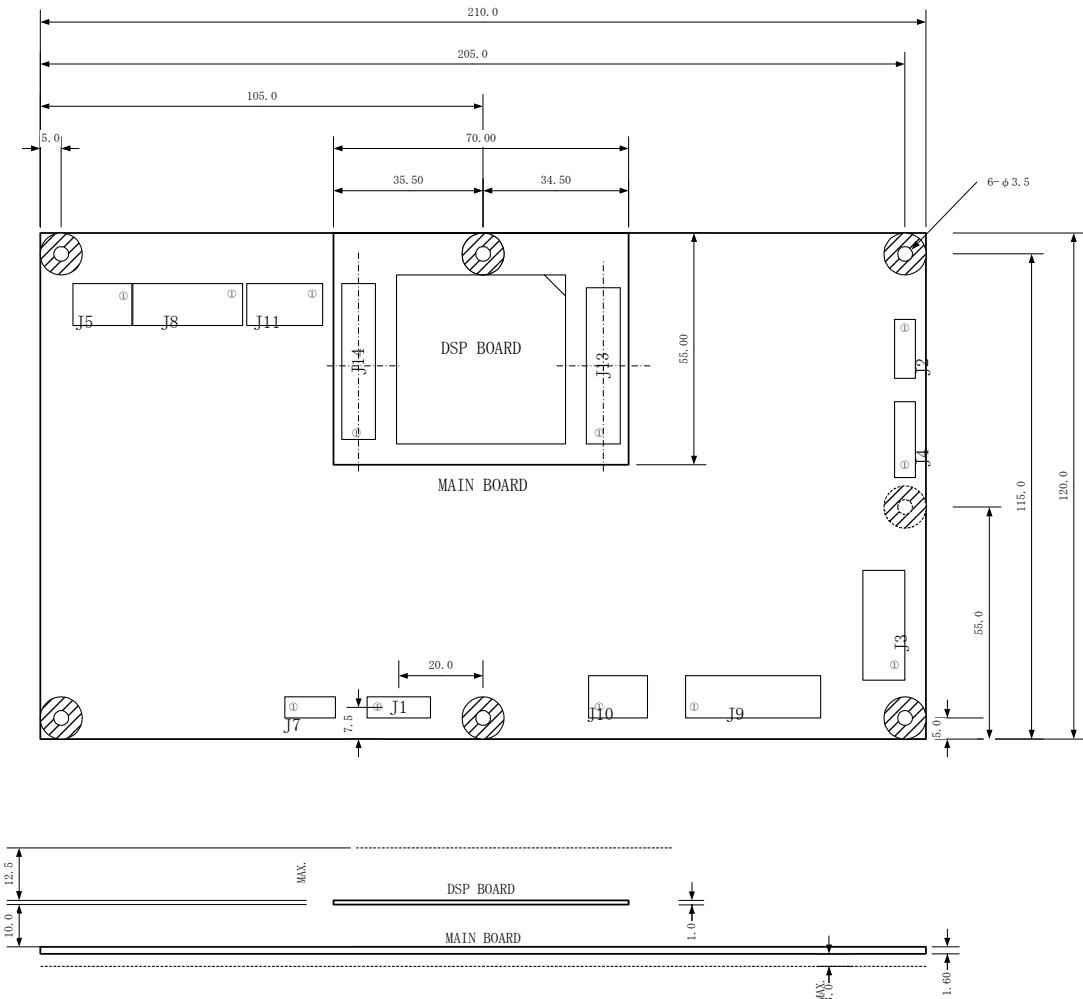
- CSU 5801 / CSH 5801
- Option: OSD, Video memory, cable

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Specifications

	CSU5801	CSU5801P
TV system	NTSC	PAL
Image sensor	ICX408AL	ICX409AL
Active Pixel	768(H)x494(V)	752(H)x582(V)
Scanning area	4.8(H)mm x 3.7(V)mm (1/3 type)	
Scanning Lines	525	625
Scanning format	Interline 3xCCD	
Scanning frequency horizontal	15.734kHz	15.625kHz
Scanning frequency vertical	59.94Hz	50Hz
Aspect ratio	4 : 3	
Subject illumination	Standard: 2,000 lx F8(3,000K) Minimum: 6 lx F2.2	
Video output	1x RGB / 2x CVBS / 2x Y/C	
Resolution horizontal	750 Lines	750 Lines
Resolution vertical	350 Lines	430 Lines
Signal/noise ratio (SNR)	>60 dB	
Electronic Light Control (ELC (electronic shutter))	Automatic shutter control ON/OFF Maximum shutter speed 1/100,000sec	
White balance	FULL : automatic White balance MANU: manual White balance	
Automatic Gain Control (AGC)	ON/OFF, 0-12dB adjustable	
Power supply	+12VDC, ±10%	
Power consumption	app.800mA	
Environmental conditions	temperatue : 0 to +55°C relative humidity : 30 to 90%	
Dimensions (W x D)	app.210mmx120mm	
Weight CSH 5801 CSU 5801	approx. 21g approx. 180g	

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Seite 3 von 5

Outline:

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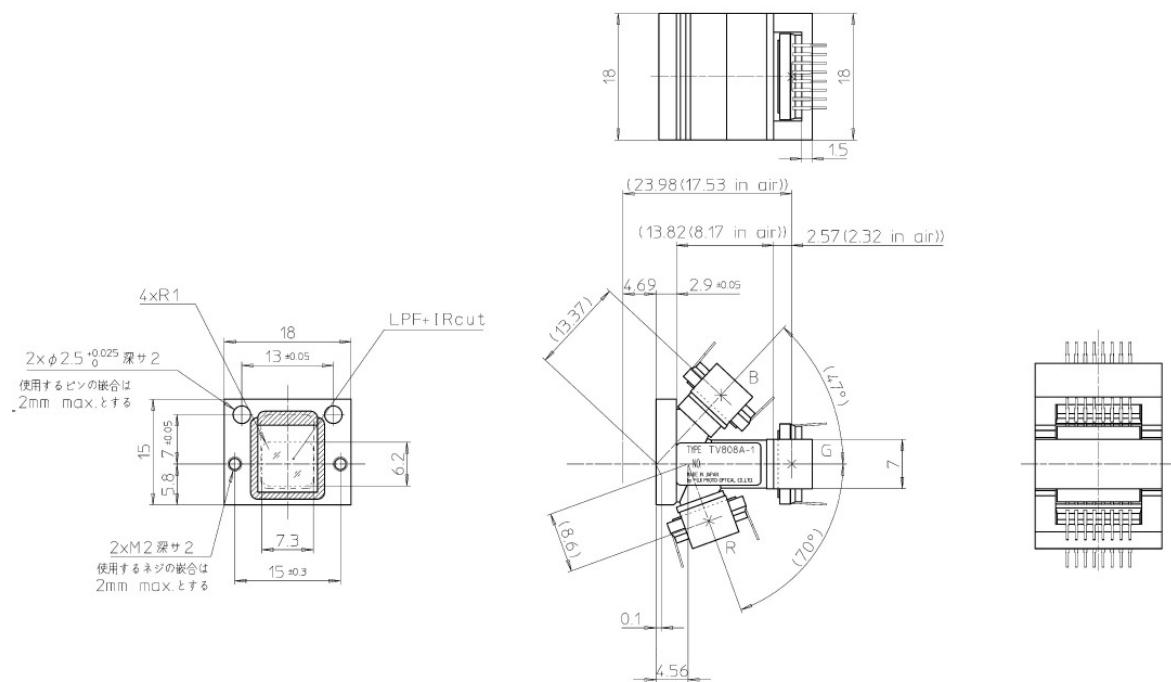NET Japan Co., Ltd.
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Seite 4 von 5

Outline:
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Design and Specifications are subject to change without notice